L <u>N</u> umber 7		Search Text ((438/30) or (438/40) or (438/43) or	USPAT;	Time stamp 17:5
		(438/67) or (438/82) or (438/99) or	US-PGPUB;	1
	! 	(438/113) or (438/455) or (438/459) or (438/665) or (438/666) or (438/692) or	EPO; JPO; DERWENT;	
	l L	(438/693) or (438/701) or (438/713)).CCI.S.	IBM TOB	!
3	124366	glass near2 (substrate or board)	USPĀT;	2003/10/29 17:5
	1	I	US-PGPUB;	1
	l	1	EPO; JPO; DERWENT;	i
	l _	! !	IBM_TDB	1
10	i 3645873	hole or open	USPAT;	2003/10/29 17:5
	İ	i i	US-PGPUB; EPO; JPO;	1
	İ		DERWENT;	!
11	267504	 CONCAVE	IBM_TDB	1 2002/10/20 12.6
	207304	Concave	USPAT; US-PGPUB;	2003/10/29 17:5
	I	!	EPO; JPO;	
		!	DERWENT;	1
12	1006	(glass near2 (substrate or board)) same	IBM_TDB USPAT;	2003/10/29 17:5
	I	concave	US-PGPUB;	!
	ļ		EPO; JPO;	i
	Į		DERWENT; IBM TDB	1
. 4	2	(((438/30) or (438/40) or (438/43) or	USPAT;	2003/10/29 18:0
	I	(438/67) or (438/82) or (438/99) or	US-PGPUB;	
	I	(438/113) or (438/455) or (438/459) or (438/665) or (438/666) or (438/692) or	FPO; JPO; DERWENT;	1
		(438/693) or (438/701) or	IBM TDB	[
		(438/713)).CCLS.) and (((glass near2		1
	١	(substrate or board)) same concave) same (hole or open))	I	
15	9975	(glass near2 (substrate or board)) same	, TAGEU,	2003/10/29 18:0
	I	(hole or open)	US-PGPUB;	İ
	l	!	PPO; JPO; DERWENT;	!
	ļ	İ	IBM TDB	ļ
L6 i	545	((glass near2 (substrate or board)) same	USPĀT;	2003/10/29 18:0
ı	I	(hole or open)) and concave	US-PGPUB; 'EPO; JPO;	i I
ı	ı	<u> </u>	DERWENT;	I
1	١	ļ	IBM_TDB	!
.7		(((438/30) or (438/40) or (438/43) or (438/67) or (438/82) or (438/99) or	USPAT;	2003/10/29 18:0
j		(438/113) or (438/455) or (438/459) or	US-PGPUB; EPO; JPO;	
		(438/665) or (438/666) or (438/692) or	DERWENT;	İ
1		(438/693) or (438/701) or	IBM_TDB	İ
l		(438/713)).CCLS.) and (((glass near2 (substrate or board)) same (hole or open))	i	I
_		and concave)	1	I
.3		((glass near2 (substrate or board)) same concave) same (hole or open)	USPAT; US-PGPUB;	2003/10/29 18:0
1		concave, same (note of open)	EPO; JPO;	I
I			DERWENT;	
į	46202	(substrate or board or (base near board))	IBM TDB	1 2002/06/10 16-2
		near glass	USPAT; US-PGPUB	2003/06/10 16:3
. ا	336253	semiconductor	USPAT;	2003/06/05 20:4
-	51677	ol or (olootyo moor luminoscenti)	US-PGPUB	. 2002/06/10 16-2
	31077	el or (electro near luminescent)	USPAT; US-PGPUB	2003/06/10 16:3
١	547005	organic	USPAT;	! 2003/06/10 16:4
	30033	(eingle or mone) seer exect?	US-PGPUB	2002/06/04 10 1
· .	30033	(single or mono) near crystal	USPAT; US-PGPUB	2003/06/04 18:4
. 1	12064	unit near block	USPAT;	2003/06/04 18:4
Į	20220	//outstants on heard as /hear	US-PGPUB	1 2002 (2012 32 3
		((substrate or board or (base near board))	'USPAT;	12003/06/04 18:4

	2062	(((substrate or board or (base near	USPAT;	2003/06/04 18:4
	!	board)) near glass) and semiconductor) and		1
	1	(el or (electro near luminescent))	1	1
-	1507	((((substrate or board or (base near	USPAT;	2003/06/04 18:4
	i	board)) near glass) and semiconductor) and	US-PGPUB	i
	1	(cl or (electro near luminescent))) and	'	!
		organic		
-	379	(((((substrate or board or (base near	USPAT;	2003/06/04 18:4
	İ	board)) near glass) and semiconductor) and	US-PGPUB	1
	į.	(cl or (electro near luminescent))) and	i	1
	1	organic) and ((single or mono) near	I	
	l	crystal)	1	1
_	2	! (((((substrate or board or (base near	USPAT;	12003/06/04 18:4
	!	board)) near glass) and semiconductor) and	US-PGPUB	i
	İ	(el or (electro near luminescent))) and	į	1
	ĺ	organic) and ((single or mono) near	i	!
	'	crystal)) and (unit near block)	'	1
-		(((((substrate or board or (base near	USPAT;	2003/06/04 18:4
		board)) near glass) and semiconductor) and	US-PGPUB	1
	· ·	(el or (electro near luminescent))) and	!	ı
		organic) and (unit near block)	I	
-	j 804	(((((substrate or board or (base near	USPAT;	2003/06/05 15:1
	1	board)) near glass) and semiconductor) and	US-PGPUB	:
	ı	(el or (electro near luminescent))) and	i	
		organic) and @ad>20000630	1	
-	1377398	unit	USPAT;	2003/06/04 18:5
			'US-PGPUB	İ
-	1.09	((((((substrate or board or (base near	USPAT;	2003/06/04 18:5
	(board)) near glass) and semiconductor) and	US-PGPUB	İ
	!	(el or (electro near luminescent))) and	1	1
	į	organic) and @ad>20000630) and		
		438/\$.ccls.) and unit	1	1
_	1092015	block	USPAT;	2003/06/04 18:5
	!		'US-PGPUB	
_		(((((((substrate or board or (base near	USPAT;	2003/06/04 18:5
	I	board)) near glass) and semiconductor) and	US-PGPUB	1
		(el or (electro near luminescent))) and		1
	!	organic) and @ad>20000630) and	1	1
		438/\$.ccls.) and unit) and block	L	1
-	199	((((((substrate or board or (base near	USPAT;	2003/06/05 12:1
	•	board)) near glass) and semiconductor) and	US-PGPUB	I
	l .	(el or (electro near luminescent))) and	1	1
	! ~	organic) and @ad>20000630) and 438/\$.ccls.	'	1 0000 /05/0: := :
-		! ("5827757" "5923961" "5932484").PN.	USPAT	2003/06/04 19:1
-		6413838.URPN.	USPAT	2003/06/04 19:1
-	1		USPAT	2003/06/05 12:0
-	1 011	("5827757" "5923961" "5932484").PN.	USPAT	2003/06/05 12:0
_	811	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	USPAT;	2003/06/05 12:1
		board)) near glass) and semiconductor) and	US-PGPUB	1
	I	(el or (electro near luminescent))) and	l.	•
	1270765	organic) and @ad>20000630)		1 2002/06/25 12 1
_	1379765	unit	USPAT;	2003/06/05 12:1
	,		US-PGPUB	
_		((((((substrate or board or (base near	USPAT;	2003/06/05 12:1
		board)) near glass) and semiconductor) and	US-PGPUB	i
	,	(el or (electro near luminescent))) and	l .	1
	1.650050	organic) and @ad>20000630)) and unit	Language	1 0000 /00 /00
-	1653956	hole or aperture or opening	USPAT;	2003/06/05 19:4
			US-PGPUB	1
-	1014320	ptock	USPAT;	2003/06/05 12:2
	اييا		US-PGPUB	1
- !	196	((((((((substrate or board or (base near	USPAT;	2003/06/05 12:2
!	!		US-PGPUB	1
1		(el or (electro near luminescent))) and		1
		organic) and @ad>20000630)) and unit) and	I	ı
	, 1	(hole or aperture or opening)) and block	į	ı
- '		(((((((substrate or board or (base near	USPAT;	! 2003/06/05 15:0
		board)) near glass) and semiconductor) and	US-PGPUB	i
!		(el or (electro near luminescent))) and	!	
! !	1			i .
! ! !	1	organic) and @ad>20000630)) and unit) and	I	!
 	 	(hole or aperture or opening)	! <u> </u>	! !

- -	-	6470594.URPN.	USPAT USPAT	2003/06/05 14:1 2003/06/05 14:1
	!	"5124204" "5239228" "5304419" "5401536" "5591379" "5771562" "5882761" "6226890" "6268071"		
]	"6268654" "6284342" "2001/0046579" "2001/0049030").PN.	i]
•	1	die or (ic or (intergrated near\$2 circuit)) or chip	USPAT; US-PGPUB	2003/06/05 15:1
	336881	semiconductor - (substrate or board or (base near board))	USPAT; US-PGPUB	12003/06/05 15:3
•	i		USPAT; US-PGPUB USPAT;	2003/06/05 15:1
	1 290898	1	US-PGPUB USPAT;	2003/06/10 16:3
	17054	circuit)) or chip) and semiconductor ((die or (ic or (intergrated near\$2	US-PGPUB USPAT;	2003/06/05 15:1
	İ	circuit)) or chip) and semiconductor) and ((substrate or board or (base near board))	I US-PGPUB i	1
-		<pre>l near glass) { (((die or (ic or (intergrated near\$2 circuit)) or chip) and semiconductor) and</pre>	USPAT; US-PGPUB	2003/06/05 15:1
	1	<pre>((substrate or board or (base near board)) near glass)) and (el or (electro near luminescent))</pre>	i İ	
-	ı 1525	<pre> ((((die or (ic or (intergrated near\$2 circuit)) or chip) and semiconductor) and ((substrate or board or (base near board))</pre>	USPAT; US-PGPUB	2003/06/05 15:1
		near glass)) and (el or (electro near luminescent))) and (hole or aperture or	i I	!
-		opening) (((((die or (ic or (intergrated near\$? circuit)) or chip) and semiconductor) and ((substrate or board or (base near board))	USPAT; US-PGPUB	2003/06/05 15:
		near glass)) and (el or (electro near luminescent))) and (hole or aperture or opening)) and @ad>20000630) 	
-	548029 i		USPAT; US-PGPUB	2003/06/05 19:4
-	1	<pre>((((((die or (ic or (intergrated near\$2 circuit)) or chip) and semiconductor) and (((substrate or board or (base near board)) near glass)) and (el or (electro near</pre>	USPAT; US-PGPUB	2003/06/05 15:
	!	luminescent)) and (hole or aperture or opening)) and @ad>20000630) and organic	i ı	İ
-	363262	dicing or cutting or sawing or ablation	USPAT; US-PGPUB	2003/06/05 15:2
	117 	<pre>(((((((die or (ic or (intergrated near\$2 circuit)) or chip) and semiconductor) and ((substrate or board or (base near board))</pre>	USPAT; US-PGPUB	2003/06/05 19:3
	 	near glass)) and (el or (electro near luminescent))) and (hole or aperture or opening)) and @ad>20000630) and organic) and (dicing or cutting or sawing or	l I	I I
	37	ablation)	! USPAT; US-PGPUB	 2003/06/05 15:
] !	((substrate or board or (base near board)) near glass)) and (el or (electro near luminescent))) and (hole or aperture or		i i
	j ,	opening)) and @ad>20000630) and organic) and (dicing or cutting or sawing or ablation)) and 438/\$.ccls.	ı [,
	226	<pre>((((((die or (ic or (intergrated near\$2 circuit)) or chip) and semiconductor) and ((substrate or board or (base near board))</pre>	USPAT; US-PGPUB	2003/06/05 19:3
	!	near glass)) and (el or (electro near luminescent))) and (hole or aperture or	!	I I
_		opening))) and organic) and (dicing or cutting or sawing or ablation)	' I	1

'			. — —-	
1 -	1816038	die or (ic or (intergrated near\$2 circuit)) or chip	USPAT; US-PGPUB	2003/06/05 19:36
! -	46391	! (substrate or board or (base near board))	USPAT; US-PGPUB	2003/06/05 19:38
-	9438	(die or (ic or (intergrated near\$2	USPAT;	2003/06/05 20:41
\ !	ļ	circuit)) or chip) same ((substrate or board or (base near board)) near glass)	US-PGPUB	I i
l = i	51145	(el or (electro near luminescent))	USPAT;	2003/06/05 19:40
<u>'</u> -	950	((die or (ic or (intergrated near\$2	USPAT;	2003/06/05 19:40
Ī	1	circuit)) or chip) same ((substrate or board or (base near board)) near glass))	US-PGPUB	
1_	1 548029	and ((el or (electro near luminescent))) organic	USPAT;	2003/06/05 19:40
i	l	i	US-PGPUB	
1	635	(((die or (ic or (intergrated near\$2 circuit)) or chip) same ((substrate or	USPAT;	2003/06/05 19:40
i	İ	board or (base near board)) near glass)) and ((el or (electro near luminescent))))	I	İ
	1.05205.6	and organic	1	,
- 	!	hole or aperture or opening	USPAT; US-PGPUB	2003/06/10 16:47
į -	535	<pre>((((die or (ic or (intergrated near\$2 circuit)) or chip) same ((substrate or</pre>	USPAT; US-PGPUB	2003/06/05 19:42
İ	1	board or (base near board)) near glass))	05 10105	i i
İ	I	and ((el or (electro near luminescent)))) and organic) and (hole or aperture or	1	· :
\ _	165	opening) ((((die or (ic or (intergrated near\$2	USPAT;	1 2003/06/05 20:05
	!	circuit)) or chip) same ((substrate or	US-PGPUB	1
ı	1	board or (base near board)) near glass)) and ((el or (electro near luminescent))))	Ì	1
l	Ļ	and organic) and (hole or aperture or opening)) and 438/\$.ccls.	İ	1
i _	6	concavites	USPAT;	2003/06/05 20:05
į _		(concave or concavities or rounded or	US-PGPUB USPAT;	2003/06/05 20:09
I		curve) near (surface or side) ((concave or concavities or rounded or	US-PGPUB USPAT;	2003/06/05 20:11
l	İ		US-PGPUB	i i
!	1	near glass)	1	I !
=	. 2		USPAT; US-PGPUB	2003/06/05 20:12
i	!	((substrate or board or (base near board)) near glass)) and ((el or (electro near	l	I .
i	I	luminescent)))	I	
' - 	1	(((concave or concavities or rounded or curve) near (surface or side)) same	USPAT; US-PGPUB	2003/06/05 20:12
!	1	((substrate or board or (base near board)) near glass)) and ((((((die or (ic or	!	I
I	ı İ	(intergrated near\$2 circuit)) or chip)	l i	į – t
1		and semiconductor) and ((substrate or board or (base near board)) near glass))	i	į.
	I	and (el or (electro near luminescent))) and (hole or aperture or opening))) and	!	1
1	<u> </u>	organic) and (dicing or cutting or sawing	ļ	
	! i 9	or ablation)) 5442255.URPN.	USPAT	 2003/06/05 20:26
<u>-</u> 	!	("3789471" "3855499" "4857161" "5157304" "5256936").PN.	USPAT	2003/06/05 20:28
i -	1	6413838.URPN.	USPAT	2003/06/05 20:35
	ı	(die or (ic or (intergrated near\$2 circuit)) or chip) near ((substrate or	USPAT; US-PGPUB	2003/06/05 20:42
-		board or (base near board)) near glass) solution or liquid	 USPAT;	2003/06/05 20:42
Ĺ	l	•	US-PGPUB	
-] 532	circuit)) or chip) near ((substrate or	USPAT; US-PGPUB	2003/06/05 20:43
	! 1	board or (base near board)) near glass)) and (solution or liquid)		1
	. — —		'	·—

i - · · -	i ~ 15	(((die or (ic or (intergrated near\$2	TUSPAT;	[2003/06/05 20:43]
1	13	circuit)) or chip) near ((substrate or	US-PGPUB	2003/06/05 20:43
İ		board or (base near board)) near glass))	!	į l
		or concavities or rounded or curve) near (surface or side))	I	İ
j -	336881	semiconductor	USPAT; US-PGPUB	2003/06/05 20:46
-	326	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2003/06/05 20:46
	! i	circuit)) or chip) near ((substrate or board or (base near board)) near glass)) and (solution or liquid)) and	US-PGPUB	
 -	1864270	semiconductor (die or (ic or (intergrated near\$2	USPAT;	2003/06/10 16:36
-	1 46456	circuit)) or chip or semiconductor) (substrate or board) near glass	US-PGPUB USPAT;	2003/06/10 16:36
<u> </u>	51126	cl or (electro near luminescence)	US-PGPUB USPAT;	2003/06/10 16:39
\	40153	(switch or switching) near transistor	US-PGPUB USPAT;	2003/06/10 16:40
	!	-	US-PGPUB	
-	i	(driver or driving) near transistor	USPAT; US-PGPUB	2003/06/10 16:41
_	504212	capacity	USPAT; US-PGPUB	2003/06/10 16:41
ļ -	587148	wire or wiring	USPAT; US-PGPUB	2003/06/10 16:41
<u> </u>		((die or (ic or (intergrated near\$2 circuit)) or chip or semiconductor)) same	USPAT; US-PGPUB	2003/06/10 16:42
; [((substrate or board) near glass)	l	' !
1	1278	circuit)) or chip or semiconductor)) same	USPAT; US-PGPUB	2003/06/10 17:28
1		'((substrate or board) near glass)) and (el or (electro near luminescence))	1	i i
ļ -	121	<pre>((((die or (ic or (intergrated near\$2 circuit)) or chip or semiconductor)) same</pre>	USPAT; US-PGPUB	2003/06/10 16:42
į I	1	((substrate or board) near glass)) and (el	1 05 19105	·
	İ .	or (electro near luminescence))) and ((switch or switching) near transistor)	!	l i
-		(((((die or (ic or (intergrated near\$2 circuit)) or chip or semiconductor)) same	USPAT;	2003/06/10 16:42
1	' 	((substrate or board) near glass)) and (el or (electro near luminescence))) and	1	, I
 	İ	((switch or switching) near transistor)) and ((driver or driving) near transistor)	l .	[
<u> </u> -	9	(((((die or (ic or (intergrated near\$2	USPAT;	2003/06/10 16:43
1	i İ	circuit)) or chip or semiconductor)) same ((substrate or board) near glass)) and (el	US-PGPUB	! , ;
•	I	or (electro near luminescence))) and ((switch or switching) near transistor))	i i	·
	1	and ((driver or driving) near transistor)) and capacity	I	!
-	1655644		USPAT; US-PGPUB	2003/06/10 16:47
<u> </u> -		((((die or (ic or (intergrated near\$2	USPAT;	2003/06/10 16:47
	ļ	circuit)) or chip or semiconductor)) same ((substrate or board) near glass)) and (el	US-PGPUB	
1	!	or (electro near luminescence))) and (hole or aperture or opening)	1	i İ
1 -		organic	USPAT; US-PGPUB	2003/06/10 16:47
! -		(((((die or (ic or (intergrated near\$2 circuit)) or chip or semiconductor)) same	USPAT;	2003/06/10 16:52
1	(((substrate or board) near glass)) and (el	US-PGPUB	! !
·	I.	or (electro near luminescence))) and (hole or aperture or opening)) and organic	! 	'
·	1409191	liquid or solution	USPAT; US-PGPUB	' 2003/06/10 16:52 L .

			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
-	-			USPAT;	2003/06/10 17:15
1			· · · · · · · · · · · · · · · · · · ·	US-PGPUB	\ !
ı		1	or semiconductor)) same ((substrate or	I	
i		1	board) near glass)) and (el or (electro	i	
· i		1	near luminescence))) and (hole or aperture	I	į
'		100	or opening)) and organic)		0000/05/10 15 15
,	-	190		USPAT;	2003/06/10 17:15
		i		US-PGPUB	i i
1		I	or semiconductor)) same ((substrate or	1	
l			board) near glass)) and (el or (electro	I .	Į Į
i			near luminescence))) and (hole or aperture	I	į i
- 1			or opening)) and organic)) and 438/\$.ccls.	1	
- 1	_	251	(((die or (ic or (intergrated near\$2		2003/06/10 17:28
İ		1	circuit)) or chip or semiconductor)) same	US-PGPUB	1
ı		ļ	((substrate or board) near glass)) same	1	·
		l	(el or (electro near luminescence))	LUCINE	0000/06/10 14 00
,	_		3,	USPAT;	2003/06/12 14:29
	_		•	US-PGPUB	2003/06/12 14:29
- 1	_	· 1/	Allen Technology Corporation	USPAT;	2003/06/12 14:29
- 1	_	i 808	jacobsen.in.		. 2002 (06 (12 14 22
- 1		1 000	Jacobsen.in.	US-PGPUB	2003/06/12 14:33
ı		27	jacobsen.in. and 428/\$.ccls.	USPAT;	2003/06/12 14:34
i	_	. 21		USPAT;	2003/06/12 14:34
	_	. 9		USPAT	: 2003/06/12
		i ,	"5138433" "5231751" "5241456"	USFAI	2003/06/12 14:35
		i '	"5373627" "5434751" "5545291").PN.	1	1
1	_	. 1	6468638.URPN.	USPAT	2003/10/24 15:44
	_			USPAT	2003/10/24 15:45
j		1	"5138433" "5231751" "5241456"	OULAI	2003/10/24 13.43
1		1	"5373627" "5434751" "5545291").PN.		i '
	_	1 27	5545291.URPN.	USPAT	2003/10/24 15:45
ı			1 <u></u>	. ~ 22 22 22 22 22 22 22 22 22 22 22 22 2	1 0

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